

CONNECTICUT VALLEY INDUSTRIES INC -- MERCURY IN GLASS THERMOMETER --  
6660-00-247-2972

===== Product Identification =====

Product ID:MERCURY IN GLASS THERMOMETER  
MSDS Date:06/10/1989  
FSC:6660  
NIIN:00-247-2972  
MSDS Number: BJYTR  
=== Responsible Party ===  
Company Name:CONNECTICUT VALLEY INDUSTRIES INC  
Address:16 PLAINS RD  
City:ESSEX  
State:CT  
ZIP:06426-1501  
Country:US  
Info Phone Num:203-767-9051  
Emerg  
ency Phone Num:203-767-9051  
CAGE:55560

=== Contractor Identification ===  
Company Name:CONNECTICUT VALLEY INDUSTRIES INC  
Address:8 CENTER ROAD  
Box:City:OLD STAYBROOK  
State:CT  
ZIP:06475  
Country:US  
Phone:860-388-0822/FAX: 860-388-1651  
CAGE:55560

===== Composition/Information on Ingredients =====

Ingred Name:MERCURY (SARA III)  
CAS:7439-97-6  
RTECS #:OV4550000  
Fraction by Wt: 100%  
OSHA PEL:S, C, 0.1 MG/M3  
ACGIH TLV:S, 0.05 MG/M3; 9192  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

=====

=====  
Hazards Identification  
=====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: INGEST-BURNING IN MOUTH &  
THROAT;THIRST; SHOCK; CARDIAC ARRHYTHMIAS; NAUSEA, VOMITING,  
ABDOMINAL PAIN, BLODDY DIARRHEA; HEMATURIA,ALBUMINURIA; INHAL:  
METAL FUME FEVER; GASTROINTESTINAL SYMPTOMS ; BRONCHITIS; CHRONIC:  
CNS- VASOMOTOR DISTURBANCES; INSOMMIA; TREMORS;INHAL-COUGH  
, FEVER;  
HEMATOPOIETIC-MILD ANEMIA.  
Effects of Overexposure:INHAL: METAL FUME FEVER; SALIVATION & METALLIC  
TASTE; CHEST TIGHTNESS; COUGH; SKIN: PRIMARY IRRITANT &  
OCCASIONALLY SENSITIZER; INGEST: THIRST, SHOCK, NAUSEA, VOMITING  
Medical Cond Aggravated by Exposure:PRECLUDE FROM EXPOSURE INDIVIDUALS

=====  
First Aid Measures  
=====

First Aid:CONTACT QUALIFIED PHYSICIAN.

=====  
Fire Fighting Measures  
=====

Fire Fighting Procedures:USE SELF CONTAINED OR AIR LINE RESPIRATORS  
ONLY.  
Unusual Fire/Explosion Hazard:MERCURY IS NOT COMBUSTIBLE, BUT WILL  
EVAPORATE WHEN HEATED, CREATING TOXIC FUMES. WILL COMBINE WITH  
OTHER COMPOUNDS TO CREATE UNSTABLE COMPOUNDS.

=====  
Accidental Release Measures  
=====

Spill Release Procedures:WEAR RUBBER GLOVES,SCBA,PROTECTIVE CLOTHING;  
METAL: COLLECT ALL DROPLETS & POOLS AT ONCE BY MEANS OF SUCTION  
PUMP ASPIRATOR BOTTLE W/LONG CAPIL  
LARY TUBE. COVER FINE DROPLETS IN  
NON ACCESSIBLE CRACKS W /CALCIUM POLYSULFIDE & EXCESS SULFUR.

=====  
Handling and Storage  
=====

Handling and Storage Precautions:MERCURY IS THE THERMOMETER INDICATING  
FLUID. HANDLE & STORE SO AS TO MINIMIZE BREAKAGE OF THERMOMETER &  
MERCURY SPILLAGE.

=====  
Exposure Controls/Personal Protection  
=====

Respiratory Protection:NOT NEEDED UNLESS MERCURY IS SPILLED. AT 0.5  
MG/CUM:ANY CHEM. CARTRIDG

E RESPIRATOR W/CARTRIDGE(S) PROVIDING PROTECTION AGAINST COMPOUND/ANY SUPPLIED-AIR RESPIR/SCBA; AT 1.25 MG/CUM: SUPPL-AIR RESPIR. IN CONTINUOUS FLOW MODE/"PAPRS"  
Ventilation:NORMAL ROOM VENTILATION; IF MERCURY PRESENT:ADEQUATE VENTILATION W/REGULAR MONITORING OF WORK AREA.  
Protective Gloves:IMPERVIOUS TYPE FOR HANDLING MERCURY.  
Eye Protection:AS REQUIRED FOR SITUATION AT HAND.  
Other Protective Equipment:NORMAL WORKING CLOTHING COVERING ARMS & LEGS.  
Work Hygienic Practices:HANDLE THERMOMETERS SO AS TO AVOID BREAKAGE & THUS SPILLAGE OF MERCURY.  
Supplemental Safety and Health

===== Physical/Chemical Properties =====

HCC:T6  
Boiling Pt:B.P. Text:676F,358C  
Melt/Freeze Pt:M.P/F.P Text:-38F/-38.9C  
Vapor Pres:0.0019  
Spec Gravity:13.6  
Evaporation Rate & Reference:LESS THAN ONE  
Solubility in Water:NONE  
Appearance and Odor:SILVER METALLIC LIQUID.  
Percent Volatiles by Volume:100

===== Stability and Reactivity Data =====

==  
Stability Indicator/Materials to Avoid:YES  
AMMONIA, GOLD AND SILVER.  
Stability Condition to Avoid:NONE  
Hazardous Decomposition Products:NONE STATED.

===== Disposal Considerations =====

Waste Disposal Methods:COMBINE ALL CONTAMINATED MERCURY IN AN TIGHTLY STOPPER BOTTLE. HOLD IT FOR PURIFICATION OR SALE. DO NOT ALLOW MERCURY TO CONTAMINATE AIR OR WATER.

Disclaimer (provided with this information by the compiling agencies):  
This information is formu

lated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.